

SAFETY AND OPERATING MANUAL

GENERAL POWER TOOL SAFETY WARNINGS

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

WARNING: Read all safety warnings designated by the \(\hat{\Lambda}\) symbol and all instructions.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.



GENERAL POWER TOOL SAFETY WARNINGS - WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 2) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- 3) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.



GENERAL POWER TOOL SAFETY WARNINGS - ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 4) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.

- Damaged or entangled cords increase the risk of electric shock.
- 5) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 6) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

NOTE: The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".



GENERAL POWER TOOL SAFETY WARNINGS - PERSONAL SAFETY

- 1) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- 2) Use personal protective equipment.

 Always wear eye protection. Protective equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.
 - Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- 4) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- 5) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

- 6) Dress properly. Do not wear loose clothing or iewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 7) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

GENERAL POWER TOOL SAFETY WARNINGS - POWER TOOL USE AND CARE

- 1) Do not force the power tool. Use the correct power tool for your **application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- 2) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 3) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 4) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
 - Power tools are dangerous in the hands of untrained users.
- 5) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 6) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind

- and are easier to control.
- 7) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to **be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- 8) Keep handles dry, clean and free from oil and grease. Slippery handles do not allow for safe handling and control of the tool in unexpected situations.

GENERAL POWER TOOL SAFETY WARNINGS - BATTERY TOOL USE AND CARE

- 1) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- 2) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- 3) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- 4) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.



GENERAL POWER TOOL SAFETY WARNINGS - SERVICE

1) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAVE THESE INSTRUCTIONS

Additional safety requirements for your lawn trimmer

This grass trimmer is designed for cutting This grass trimmer is designed for cutting grass and similar soft vegetation and for trimming grass edges in private and hobby garden areas which are not accessible with a lawnmower. The device is not allowed to be used in public gardens, parks, sports centres or at roadsides as well as in agriculture and forestry. This lawn trimmer is not allowed to be used for cutting or chopping:

- Hedges, shrubs and bushes,
- Flowers,
- In terms of composting.

Otherwise, there is a risk of injury.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Read the instructions carefully. Be familiar with the controls and proper use of the equipment.
- 2. Wear eye protection.
- Never allow children or people unfamiliar with these instructions to use the trimmer.
- 4. Avoid using the trimmer, while people, especially children or pets, are nearby.
- 5. Use the trimmer only in daylight or good artificial light.
- Never operate the trimmer with damaged guards or shields or without guards or shields in place.
- Switch on the motor only when the hands and feet are away from the cutting means.
- 8. Never fit metal cutting elements.

- 9. Use only the manufacturer's recommended replacement parts and accessories.
- Disconnect the battery from the trimmer before carrying out maintenance or cleaning work.
- Inspect and maintain the trimmer regularly.
 Have the trimmer repaired only by an authorized repairer.
- 12. Take care against injury from the blade(s) fitted for trimming the filament line length. After extending new cutter line, always return the trimmer to its normal operating position before switching on.
- 13. Always ensure that the ventilation openings are kept clear of debris.
- 14. When not in use, store the trimmer out of the reach of children.
- 15. Wear protective glasses or goggles;
- 16. Before using the machine and after any impact, check for signs of wear or damage and repair as necessary;
- 17. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

MAINTENANCE

- When not in use store the machine out of the reach of children;
- After use, disconnect the battery from the machine and check for damage;
- 3) Use only manufacturers recommended replacement parts and accessories.
- 4) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained:

WARNINGS:

- Read the instructions carefully,
- Be familiar with the controls and proper use of the equipment;
- Warning. Cutting elements continue to rotate after the motor is switched off,

SYMBOLS



Read instruction sheet



Keep bystanders away



Wear eye protection



Do not expose to moisture



C-Tick approval mark

- 1. REAR HANDLE
- 2. BATTERY PACK
- 3. TELESCOPIC SHAFT
- 4. PIVOT HEAD LOCKING KNOB
- 5. SAFETY GUARD
- 6. FLOWER GUARD/EDGER GUIDE
- 7. AUXILIARY HANDLE
- 8. TELESCOPIC SHAFT ADJUSTMENT TRIGGER
- 9. LOCK OFF BUTTON
- 10. ON/OFF SWITCH
- 11. AUXILIARY HANDLE LOCKING LEVER
- 12. EDGER/TRIMMING SUPPORT WHEELS
- **13. LINE CUTTER**
- 14. LOWER SHAFT COUPLING
- 15. UPPER SHAFT
- 16. MOTOR HOUSING OF TRIMMER HEAD (See Fig. H2)
- 17. LINE FEED BUTTON (See Fig. K1)
- 18 SPOOL CAP COVER (See Fig. K2)
- 19 CAP RELEASE LATCH (See Fig. K2)
- 20. SPOOL (See Fig. K2)
- 21. CUTTING HEAD (See Fig. K2)
- 22. EYELET (See Fig. K2)

Not all the accessories illustrated or described are included in standard delivery.

TECHNICAL DATA

Voltage	20V Max*
No load speed	7600/min
Cutting diameter	30cm
Line diameter	1.65mm
Charging time	1hr
Machine weight	2.6kg

^{*} Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts.

ACCESSORIES

Charger (WA3843)	1
Battery Pack(WA3525)	1
Edger / Trimming Support Wheel	1
Spool (WA0004)	1
Safety Guard	1

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

ASSEMBLY

1. ASSEMBLY OF THE SAFETY GUARD (See Fig. A)

Remove a screw from the Guard; attach the Safety Guard to the trimmer head. Align the Guard so it slides into the slots located on the trimmer head. Turn the tool over and secure the Safety Guard onto the trimmer head with the screw (a) provided.

2. ASSEMBLY OF THE EDGER/TRIMMING SUPPORT WHEELS (See Fig. B1, B2, B3)

With the tool right side up, slide the Edger /Trimming Support Wheels (12) assembly onto the metal plate located on the side of the Cutting Head (See B1) or underneath the Safety Guard(5) (See B2 B3). Make sure the grooves of the Edger /Trimming Support Wheels assembly locks onto the metal plate, you will hear it click into place.

To remove the wheel assembly, press the release button (b) on the wheels and pull the wheels outside.

OPERATION INSTRUCTIONS

warning! The charger and Battery Pack are specially designed to work together so do not attempt to use any other devices. Never insert or allow foreign metallic objects into your charger or Battery Pack connections because of electrical failure and other hazards that will occur.

1. BEFORE USING YOUR CORDLESS GRASS TRIMMER

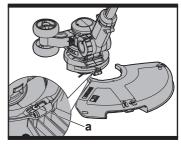
Your Battery Pack is **UNCHARGED** and it must be fully charged once before it is used.

The battery charger supplied is matched to the Li-lon battery for use with this tool. Do not use another battery charger.

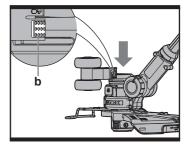
2. CHARGING YOUR BATTERY PACK

The Li-lon battery is protected against deep discharging. When the battery is empty, the trimmer will switch off by means of a protective circuit: The trimmer head will stop rotating.

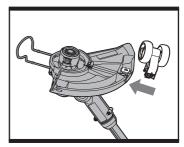
NOTE: In a warm environment or after heavy use, the Battery Pack may become too hot to permit charging. Allow time for the battery to cool down before recharging.



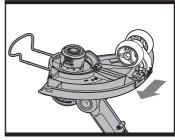
A



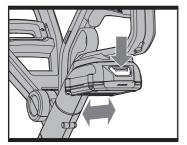
B1



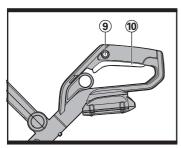
B2



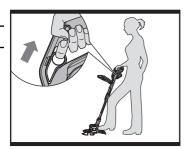
B3



C



D



E



F1

3. TO REMOVE OR INSTALL BATTERY PACK (See Fig. C)

Depress the battery release button to remove Battery Pack (2) from your trimmer. After recharging, insert the Battery Pack onto trimmer's battery bracket. A simple push and slight pressure will be sufficient.

4. SAFETY ON/OFF SWITCH (See Fig. D)

The safety switch is locked off to prevent accidental starting. Depress the Lock Off Button (9) then depress the On/Off Switch (10) and release Lock Off Button. Your trimmer is now on. To switch off, just release the on/off switch.

WARNING! The cutting head continues to rotate after the trimmer has been switched off; wait until it has completely stopped then lay down the tool.

5. ADJUSTMENT OF THE TELESCOPIC SHAFT (See Fig. E)

Step one foot on the Safety Guard, then use one hand to pull up the Telescopic Shaft Adjustment Trigger (8), adjust the length of the Telescopic Shaft to the most comfortable length. Release the Telescopic Shaft. Adjustment Trigger to lock in position.

6. MAIN HANDLE ROTATION (See Fig. F1, F2)

First, hold down the lower housing with your foot and pull upward on the Upper Shaft (15). Then rotate the Upper Shaft clockwise 90 degrees (See Fig. F1) and release; the Shaft will be locked in position automatically (See Fig. F2).

7. ADJUSTMENT OF AUXILIARY HANDLE

Pull up the Auxiliary Handle Locking Lever (11). Hold the Locking Lever and rotate the Auxiliary Handle to the most comfortable and balanced position (See Fig. G)

Release the lever, your Auxiliary Handle has been locked.

8. ADJUSTMENT OF THE TRIMMER HEAD ANGLE TO THE SHAFT

(See Fig. H1, H2 & H3)



WARNING: Make Sure the Safety Switch is Locked Off to Prevent Accidental Starting.

To adjust the Upper Shaft angle or convert the tool from trimming mode and edging mode, unlock the Pivot Head Locking Knob by hand, and using adequate force, pull the trimmer head into the desired position, then lock the Pivot Head Locking Knob.

9. FLOWER GUARD/EDGER GUIDE

Pull the Flower Guard/Edger Guide out before trimming, as shown in Fig. 11.

When edging, pull Flower Guard/Edger Guide out also, and keep to a side (See Fig. I2).

Before trimming or edging make sure the flower guard is locked firmly in position.

OPERATION

WARNING: Always wear the eye protection.

Never lean over the trimmer head. Rocks or
debris can ricochet or be thrown into eyes and face and
cause blindness or other serious injury. When operating
unit, check for the following:

Wear eye protection and heavy clothing. Hold front handle with one hand and Auxiliary Handle with the other hand. Keep unit below waist level. Work only from your right to your left to ensure debris is thrown away from you. Without bending over, keep line near and parallel to the ground (perpendicular when edging) and not crowded into material being cut.

WARNING: Make sure that line is fed out before operation. Make sure motor is up to full speed before trimming or edging.

WARNING: Only use 1.65mm diameter cutting line. Other sizes of line will not feed properly and will result in improper cutting head function or can cause serious injury. Do not use other material such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous projectile that can cause serious injury.

EDGER/TRIMMING SUPPORT WHEELS

There are three optional positions for the Edger/ Trimming Support Wheels to attach when assisting in Trimming and Edging.

POSITION 1: USING THE GUIDE WHEELS WHEN TRIMMING IN A FORWARD OR REVERSE DIRECTION (See Fig. J1)

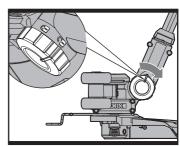
Position the GrassTrimmer in the trimming position. Underneath the Safety Guard there is a metal plate that the Edger/Trimming Support Wheels will attach to. Slide the Support Wheels horizontally onto the metal plate until they lock into position so both the wheels are



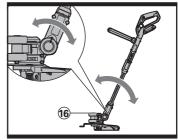
F2



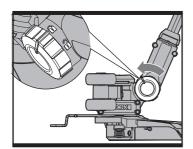
G



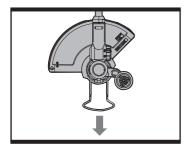
H1



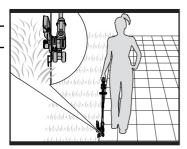
Ш2



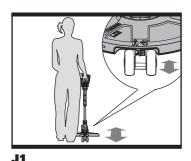
H3



11



12



Ji

facing in the forward direction (See Fig. B3). The wheels should provide support when you are trimming in the forward or reverse direction.

POSITION 2: USING THE GUIDE WHEELS WHEN TRIMMING SIDE TO SIDE

Position the Grass Trimmer in the trimming position. Underneath the Safety Guard there is a metal plate that the Edger/Trimming Support Wheels will attach to. Slide the Support Wheels vertically onto the metal plate until it locks into position (See Fig. B2). The wheels should provide support when you are trimming in a horizontal side to side direction (See Fig. J2).

NOTE: you could also use the machine without the guide wheels on guard when trimming.

POSITION 3: USING THE GUIDE WHEELS WHEN EDGING (See Fig. 12)



WARNING: Make Sure the Safety Switch is Locked Off to Prevent Accidental Starting.

Change the tool from trimming into the edging mode, the Edger /Trimming Support Wheels (12) will attach on the side the trimmer head as shown in Fig. B1, rotate the main handle as described in "MAIN HANDLE **ROTATION"**, then unlock the Pivot Head Locking Knob, and using adequate force, pull the trimmer head into the desired position. Make sure to adjust the trimmer head angle to be in the lowest horizontal setting. Finally, lock the Pivot Head Locking Knob (See Fig. H3) and position the wheel on the ground for the edging mode. While edging, keep the Flower Guard/Edger Guide aligned with the sidewalk edge, this will assist to edge in a straight path. Only the tip of the line will make contact with area being worked on. Do not force the line. The edging wheels help protect the unit and keep the unit from contacting the ground. Take extra caution while edging, as objects can be thrown from the trimmer line.

AUTOMATIC LINE FEED SYSTEM

When initially switching on the trimmer, a small length of line is fed out. Each time the tool is started from rest it will advance about 6.35mm of trimmer line. A 'clattering' noise will be heard when the lines hit the Line Cutter. **DO NOT BE ALARMED** this is quite normal. After about 5 seconds the line will be cut to the correct length and the noise will reduce as the motor gains full speed.

If the noise of the line being cut can't be heard, more line will need to be fed out.

To feed more line, it is first necessary to allow the trimmer to stop completely; it must come to a complete rest, then restart, allowing the motor to reach full speed.

Repeat above until you hear the line hitting against the Line Cutter.

TO MANUALLY FEED THE LINE (See Fig. K1)

Turn off the trimmer and remove the battery. If required, line can be fed out manually.

To operate, press and release manual Line Feed Button (17), while gently pulling out the line until it is long enough to reach the Line Cutter.

If the line extends past the Line Cutter, too much line has been fed out.

If too much line is fed out, remove the Spool Cap and turn Spool counter-clockwise until the line is at the desired length.

TO REMOVE THE SPOOL CAP COVER (See Fig. K2)

Press and hold in the two Cap Release Latches (19) (See Fig. K2).

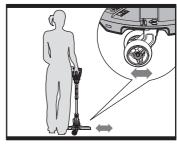
Pull the Spool Cap Cover (18) away from the Cutting Head (21). Keep the Spool Cap Cover and the inside of the Cutting Head clean from debris. To replace the Spool Cap Cover, press it firmly onto the Spool Holder. Ensure that it is correctly connected by trying to remove it without depressing the two Cap Release Latches.

REPLACE THE TRIMMER LINE AND SPOOL (See Fig. K3).

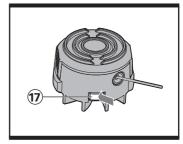
Turn off the trimmer and remove the battery. Remove Spool Cap Cover.

Remove the old Spool from Spool Holder. Clear any broken line or cutting debris from the spool area. Pull the line from the new replacement Spool through the eyelet of the Spool Holder. Place new Spool into the holder with the cut out areas of the Spool facing inward or down. When installed into the Spool Holder, the smooth side of the Spool should be

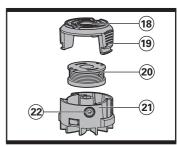
Release line from cleat on the Spool. Refit the Spool Cap Cover.



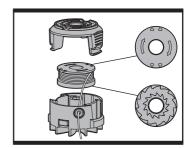
J2



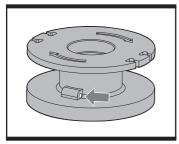
K1



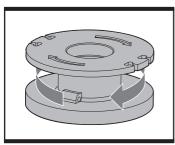
K2



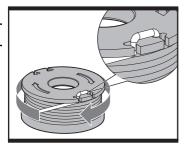
K3



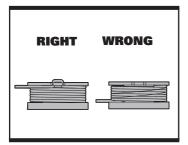
L1



L2



L3



L4

TO MANUALLY WIND LINE (See Fig. L1-L4)

Take approximately 10ft (3m) of line. Insert 5/8"(15mm) of line into the Spool holes and wind line in the direction of the arrows on the top of the Spool. Leave approximately 4" (100mm) of line unwound and place into the cleat.

Ensure that the line is neatly coiled on the Spool. Failure to do so will impair the efficiency of the automatic line feed.

Then fit the Spool as described above in "Rep lace the trimmer line and Spool"

MAINTENANCE

After use, disconnect the battery from the tool and check for damage.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry room temperature location. Keep the motor ventilation slots clean. Keep all working controls free of dust.

TROUBLESHOOTING

The following table gives problems and actions that you can perform if your machine does not operate correctly.



WARNING: Switch the machine off and remove the battery prior to any troubleshooting.

Problems	Possible Causes	Corrective Action
Trimmer fails to operate.	Battery discharged. Battery too hot/cold. Motor is broken. Internal wiring of machine damaged.	Recharge battery; also see "HOW TO CHARGEYOUR BATTERY". Allow to cool/warm. Contact Service Agent. Contact Service Agent.
Trimmer runs intermittently.	Motor is broken. Battery not fully charged. On/Off switch defective.	Contact Service Agent. Recharge battery. Contact Service Agent.
Excessive vibrations/noise.	Machine defective. Line spool is not wound well.	Contact Service Agent. Rewind the line. See "To fit spool and line assembly."
Cutting time per battery charge too short.	Battery has not been used for long period or only charged for short term. Grass is too high. Battery defective.	Fully charge battery; also see "HOWTO CHARGEYOUR BATTERY ". Cut in stages. Replace the battery.
Machine does not cut.	Line broken. Battery not fully charged. Motor is broken (speed is too low). Grass entangled around cutting head.	Replace the line. Recharge battery; also see "HOW TO CHARGE YOUR BATTERY". Contact Service Agent. Remove grass.
Continuous lighting of the battery charge indicator. No charging procedure possible.	Battery not (properly) inserted. Battery contacts contaminated. Battery defective.	Properly insert battery into battery charger. Clean the battery contacts or replace the battery. Replace the battery.
Battery charge indicator does not light up.	Plug of battery charger not plugged in (properly). Socket outlet, mains cable or battery charger defective.	Insert mains plug (fully) into the socket outlet. Check the mains voltage; have the battery charger checked by an authorized after-sales service agent.
Auto feed does not work	Cutting line is not wound well. The line is tangled. Line is used up.	Manually feed the line, if still can not feed out, remove the Spool out and rewind the line. Replace with a new spool of line.

